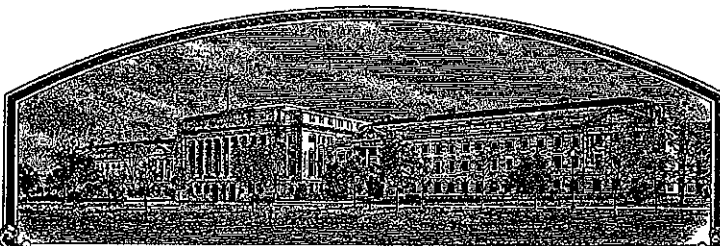


No.

200200230



# THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

*International Seeds and Rutgers,  
The State University of New Jersey*

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC DEPOSITMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSES, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

FESCUE, RED

'Cindy Lou'

*In Testimony Whereof, I have hereunto set my hand  
and caused the seal of the Plant Variety  
Protection Office to be affixed at the City of  
Washington, D.C. this seventh day of December,  
in the year two thousand and five.*

Attest:

*[Signature]*  
Commissioner  
Plant Variety Protection Office  
Agricultural Marketing Service

*[Signature]*  
Secretary of Agriculture



REPRODUCE LOCALLY. Include form number and date on all reproductions

Form Approved - OMB No. 0581-0055

U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE  
SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

**APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE**  
(Instructions and information collection burden statement on reverse)

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

<p>1. NAME OF OWNER <b>DLF</b> <b>3/30/05</b> <b>DLF</b> International Seeds, and Rutgers, The State University of New Jersey (BT: 8/18/2005)</p>		<p>2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME <b>CIS-FRR 7</b></p>	<p>3. VARIETY NAME <b>Cindy Lou</b></p>
<p>4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country) <b>PO Box 229 Halsey, OR 97348 USA</b></p>		<p>5. TELEPHONE (include area code) <b>541-369-2251</b></p>	<p>FOR OFFICIAL USE ONLY</p>
<p>7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.) <b>Corporation</b></p>		<p>6. FAX (include area code) <b>541-369-2251 929-1087 (BT: 8/18/2005)</b></p>	<p>PVPO NUMBER <b>200200230</b></p>
<p>8. IF INCORPORATED, GIVE STATE OF INCORPORATION <b>Oregon</b></p>		<p>9. DATE OF INCORPORATION <b>1972</b></p>	<p>FILING DATE <b>August 21, 2002</b></p>
<p>10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION. (First person listed will receive all papers) <b>Stephen W. Johnson DLF 3/30/05</b> <b>DLF</b> International Seeds, and Rutgers, The State University of New Jersey <b>PO Box 229 Halsey, OR 97348</b> (BT: 8/18/2005)</p>			<p>FILING AND EXAMINATION FEES: <b>\$ 2705</b> DATE <b>8/21/2002</b> CERTIFICATION FEE: <b>\$ 682.00</b> DATE <b>10/3/2005</b></p>
<p>11. TELEPHONE (include area code) <b>541-369-2251</b></p>	<p>12. FAX (include area code) <b>929-1087 541-369-2251 (BT: 8/18/2005)</b></p>	<p>13. E-MAIL <b>STEVEJ@intlseed.com</b></p>	<p>14. CROP KIND (Common Name) <b>Strong Creeping Red Fescue</b></p>
<p>15. GENUS AND SPECIES NAME OF CROP <b>Festuca rubra rubra</b></p>		<p>16. FAMILY NAME (Botanical) <b>Graminae</b></p>	
<p>17. IS THE VARIETY A FIRST GENERATION HYBRID? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p>		<p>18. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse)</p> <p>a. <input checked="" type="checkbox"/> Exhibit A. Origin and Breeding History of the Variety</p> <p>b. <input checked="" type="checkbox"/> Exhibit B. Statement of Distinctness</p> <p>c. <input checked="" type="checkbox"/> Exhibit C. Objective Description of Variety</p> <p>d. <input checked="" type="checkbox"/> Exhibit D. Additional Description of the Variety (Optional)</p> <p>e. <input checked="" type="checkbox"/> Exhibit E. Statement of the Basis of the Owner's Ownership</p> <p>f. <input checked="" type="checkbox"/> Voucher Sample (2,500 viable untreated seeds or, for tuber propagated varieties, verification that tissue culture will be deposited and maintained in an approved public repository)</p> <p>g. <input checked="" type="checkbox"/> Filing and Examination Fee (\$2,705), made payable to "Treasurer of the United States" (Mail to the Plant Variety Protection Office)</p>	
<p>19. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS OF CERTIFIED SEED? <input type="checkbox"/> YES (If "yes", answer items 20 and 21 below) <input checked="" type="checkbox"/> NO (If "no", go to item 22)</p>		<p>20. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF CLASSES? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, WHICH CLASSES? <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED</p>	
<p>21. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, SPECIFY THE <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED NUMBER 1,2,3, etc. (If additional explanation is necessary, please use the space indicated on the reverse.)</p>		<p>22. HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBRID PRODUCED FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U.S. OR OTHER COUNTRIES? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, YOU MUST PROVIDE THE DATE OF FIRST SALE, DISPOSITION, TRANSFER, OR USE FOR EACH COUNTRY AND THE CIRCUMSTANCES. (Please use space indicated on reverse.)</p>	
<p>23. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT (PLANT BREEDER'S RIGHT OR PATENT)? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, PLEASE GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. (Please use space indicated on reverse.)</p>			
<p>24. The owners declare that a viable sample of basic seed of the variety will be furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate. The undersigned owner(s) is(are) the owner of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act. Owner(s) is(are) informed that false representation herein can jeopardize protection and result in penalties.</p>			
<p>SIGNATURE OF OWNER <b>Stephen W. Johnson</b></p>		<p>SIGNATURE OF OWNER</p>	
<p>NAME (Please print or type) <b>Stephen W. Johnson</b></p>		<p>NAME (Please print or type)</p>	
<p>CAPACITY OR TITLE <b>Director of Research</b></p>		<p>CAPACITY OR TITLE</p>	
<p>DATE <b>7-22-02</b></p>		<p>DATE</p>	

S&T-470 (07-01) designed by the Plant Variety Protection Office with WordPerfect 9.0. Replaces STD-470 (04-01) which is obsolete.

(See reverse for instructions and information collection burden statement)

## Exhibit A

### ORIGIN AND BREEDING HISTORY OF CINDY LOU (CIS-FRR 7) STRONG CREEPING RED FESCUE

Cindy Lou strong creeping red fescue (*Festuca rubra* L. subsp. *rubra*) is a turf-type cultivar selected for dark green color, increased shoot density, leaf spot resistance and improved turf quality from the progenies of 240 clones.

One hundred percent of the parental germplasm of Cindy Lou traces its origin to plants selected from old turfs of the United States during the period from 1962 through 1990 by turfgrass scientists at the New Jersey Agricultural Experiment Station. Ninety percent of the harvested plants trace their maternal origin to a plant found in the Rose City Cemetery, Portland, OR.

Plants selected from old turfs were subjected to evaluation in spaced-plant nurseries, frequently mowed turf trials, and greenhouse test for resistance to powdery mildew (caused by *Erysiphe graminis* DC). Progenies from intercrossing the best performing selections were then subjected to many cycles of recurrent phenotypic selection with each cycle followed by single-plot progeny tests in closely mowed turf trials. Tillers were subsequently selected from the best performing turf plots to initiate additional cycles of selection. Greenhouse facilities were also used to select disease resistant, lower-growing plants with abundant tillers, and a rich, bright, dark green color.

The most promising plants were identified by their persistence, appearance and performance in spaced-plant nurseries, mowed clonal evaluation tests, and single-plant progeny trails under turf maintenance. Intercrosses of the best performing plants were subjected to varying cycles of phenotypic and genotypic selection depending on their date of collection. New sources of germplasm were added to the breeding program as it became available from the continuing collection program. Each cycle of selection showed continued progress in producing lower-growing, darker green, finer leaf texture, attractive plants with improved turf performance scores.

Single-plot progenies of 707 clones selected from the Rutgers turfgrass breeding program were seeded in individual turf plots at North Brunswick and Adelphia New Jersey during the late summers of 1992 and 1993. In the spring of 1995 two nurseries consisting of 1020 plants total were established from the same best performing turf plots above. Fourteen plots were selected from the 1993 test and three plots were selected from the 1992 test. Thirty-nine plants were selected from these nurseries prior to anthesis and moved to an isolated crossing block in 1996. Plants were selected for low growth habit, fine leaf texture and medium green color. Seed harvested from these plants was germinated and several thousand young plants were screened for medium-green color, low growth habit and high shoot density, approximately seventy-five percent of the plants were discarded. The 1,984 that remained plants were used to establish a nursery in the spring of 1997. During the spring of 1998, approximately 72 percent of the plants in this nursery were rogued for light green color, disease susceptibility, poor seed yield potential and non-uniform growth habit leaving 546 plants remaining. Two hundred and forty

200200230

plants from seven different mother lines were harvested from this nursery with excellent floret fertility and freedom from disease. Approximately 30 pounds of breeder seed was produced from these 240 plants. Breeder seed was sent to <sup>DIF</sup>~~Cebeco~~ International Seeds in the fall of 1998. A portion of this seed is maintained by <sup>DIF</sup>~~Cebeco~~ International Seeds and may be used to plant new breeder seed fields when necessary. <sup>(BT: 8/18/2005)</sup>

The variety Cindy Lou has appeared uniform and stable during multiplication from breeder to foundation generations. Cindy Lou has a small percentage (<0.25%) of plants <sup>(variants)</sup> that are somewhat taller and coarser than the rest of the population. The percentage of these plants appears to be stable when seed is multiplied from breeder to foundation generation. <sup>Jan 3/30/05</sup>

Exhibit B**Statement of Distinctness**

Cindy Lou strong creeping red fescue (*Festuca rubra rubra*) is a medium-late variety developed for use in turf.

Lou is

Cindy Lou is most similar to the variety Shademaster. Differences between Cindy Lou and Shademaster include, but are not necessarily limited to the following:

Shademaster (2/18/2005 per appl. authorization)

- 708  
3130/06
1. Cindy Lou has shorter panicles when grown as spaced plants in western Oregon. (11.5 cm vs. 14.5 cm).  
15.0

U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE  
LIVESTOCK, MEAT, GRAIN & SEED DIVISION  
PLANT VARIETY PROTECTION OFFICE  
BELTSVILLE, MARYLAND 20705

FORM APPROVED: OMB NO. 0581-0055

EXHIBIT C  
(Fine Leaved Fescues)

OBJECTIVE DESCRIPTION OF VARIETY  
FINE LEAVED FESCUES

(Festuca spp.)

NAME OF APPLICANT(S) <b>DLF Cebece International Seeds and Rutgers, The State University of New Jersey (on 8/19/2005)</b>	TEMPORARY DESIGNATION <b>CIS-FRR 7</b>	VARIETY NAME <b>Cindy Lou</b>
ADDRESS (Street and No., or R.F.D. No., City, State, and Zip Code) <b>Box 229 Halsey, OR 97348</b>	FOR OFFICIAL USE ONLY PVPO NUMBER <b>200200230</b>	

Place the appropriate number that describes the varietal character of this variety in the boxes below. Use leading zeroes when necessary (e.g.,    or   ). Characteristics described including numerical measurements, should represent those that are typical for the variety. Measured data should be for SPACED PLANTS. Royal Horticultural Society or any recognized color fan may be used to determine plant colors; designate system used: 1-5;5=very dark green

Describe location of test area, conditions and number of plants used: Harrisburg, OR  
3 replications 20 plants per rep (60 plants total)

1. SPECIES: (With comparison varieties for use below - use varieties within species of application variety)

<input type="text" value="3"/>	1 = <i>F. rubra</i> ssp. <i>commutata</i> (Chewings)	11 = Cascade	12 = Highlight	13 = Jamestown
	2 = <i>F. rubra</i> ssp. <i>litoralis</i> (Creeping Red)	14 = Banner	15 = Barfalla	23 = Merlin
	3 = <i>F. rubra</i> ssp. <i>rubra</i> (Spreading Red)	21 = Dawson	22 = Starlight	33 = Fortress
	4 = <i>F. ovina</i> (Sheep)	24 = Pennlawn	31 = Boreal	32 = Ruby
	5 = <i>F. longifolia</i> (Hard)	31 = Boreal	34 = Ensylva	41 = Covar
	6 = <i>F. tenuifolia</i> (Fine-Leaved Sheep)	51 = Durar	52 = Biljart (C-26)	53 = Scaldis
	7 = Other (Specify) <i>F.</i> _____	61 = Panda	62 = Barok	

2. CYTOLOGY:

<input type="text" value="5"/> <input type="text" value="6"/>	Chromosome Number	<input type="text" value="4"/>	Ploidy	1 = diploid	2 = tetraploid	3 = hexaploid
				4 = octoploid		

3. ADAPTATION: (0 = Not Tested; 1 = Not Adapted; 2 = Adapted)

<input type="text" value="2"/>	Northeast	<input type="text" value="2"/>	Southeast	<input type="text" value="2"/>	North Central	<input type="text" value="2"/>	Pacific N.W.	<input type="text"/>	Other (Specify) _____
--------------------------------	-----------	--------------------------------	-----------	--------------------------------	---------------	--------------------------------	--------------	----------------------	-----------------------

4. MATURITY: Date First Headed (panicle emergence) Location(s) of Trial(s) Harrisburg, OR

<input type="text" value="4"/>	Maturity Class:	1 = Very Early (Covar)	2 = Early (Highlight)	3 = Medium Early (Boreal, Dawson)
		4 = Medium Late (Cascade, Ruby)	5 = Late (Jamestown, Agram)	6 = Very Late
	Date Headed	<u>April 29</u>		
<input type="text" value="0"/> <input type="text" value="3"/>	Days earlier than	<u>Cindy</u>	<input type="text" value="3"/> <input type="text" value="4"/>	Comparison Variety
	Maturity same as		<input type="text" value="3"/> <input type="text" value="1"/>	
<input type="text" value="0"/> <input type="text" value="3"/>	Days later than		<input type="text" value="3"/> <input type="text" value="1"/>	

5. PLANT HEIGHT: (At maturity; to top of panicle; Average of 10 tallest culms)

<input type="text" value="7"/> <input type="text" value="4"/> <input type="text" value="2"/>	mm height		Comparison Variety
<input type="text" value="0"/> <input type="text" value="1"/> <input type="text" value="2"/>	mm shorter than	<input type="text" value="3"/> <input type="text" value="1"/>	
	Height same as	<u>Cindy</u>	
<input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/>	mm taller than	<u>N/A</u>	

6. GROWTH HABIT: (Mature)

<input type="text" value="3"/>	1 = Erect (Ruby)	2 = Semi-erect (Highlight)	3 = Prostrate (Silvana)
--------------------------------	------------------	----------------------------	-------------------------

7. RHIZOMES:

<input type="text" value="4"/> <input type="text" value="5"/> <input type="text" value="2"/>	mm Length	<input type="text" value="1"/> <input type="text" value="3"/>	mm Width	<input type="text" value="0"/> <input type="text" value="9"/>	mm Internode length
<u>708</u>	1 = Absent (Highlight)	2 = Weakly Creeping (Dawson)	3 = Strongly Creeping (Boreal)		
<u>3/28/05</u>	4 = Very Strongly Creeping (Fortress)				

## 8. LEAF BLADE:

200200230

<input type="checkbox"/> 4	Color:	1 = Light Green (Highlight)	2 = Medium Light Green (Highlight)	3 = Medium Dark Green (Ruby, Agram)
		4 = Dark Green (Jamestown, Manoir)	5 = Bluegreen (Saphir)	6 = Graygreen (Scaldis)
		7 = Other (Specify) _____		
<input type="checkbox"/> 1	Glaucosity (Sowing Year):	1 = Absent (Koker)	2 = Present (Vendome)	
<input type="checkbox"/> 2	Anthocyanin:	1 = Absent	2 = Present	<input type="checkbox"/> Hairs (Basal) 1 = Absent 2 = Present
<input type="checkbox"/> 1	Margins:	1 = Smooth	2 = Semi-rough	3 = Rough
<input type="checkbox"/> 2	Margin folding (closure):	1 = Rolled inward (closed-Highlight)	2 = Flat (open-Jamestown, Engina)	
<input type="checkbox"/> 2	Width class:	1 = Very Fine (Agram, Frida) 2 = Fine (Jamestown, Highlight, Banner, Dawson) 3 = Medium Fine (Fortress, Ruby, Scaldis) 4 = Medium Coarse (Engina)		
<input type="checkbox"/> 9 <input type="checkbox"/> 7 <input type="checkbox"/> 8	mm Length (flag leaf)			
<input type="checkbox"/> 3 <input type="checkbox"/> 9	mm Shorter than Navigator	<input type="checkbox"/>	<input type="checkbox"/>	Comparison Variety
	Blade length same as Cindy	<input type="checkbox"/>	<input type="checkbox"/>	
	mm Longer than N/A	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> 2 <input type="checkbox"/> 2 <input type="checkbox"/> 2	mm Width (flag leaf)			
<input type="checkbox"/> 1 <input type="checkbox"/> 1 <input type="checkbox"/> 1	mm Narrower than N/A	<input type="checkbox"/>	<input type="checkbox"/>	Comparison Variety
	Blade width same as Cindy	<input type="checkbox"/>	<input type="checkbox"/>	
	mm Wider than N/A	<input type="checkbox"/>	<input type="checkbox"/>	

## 9. LEAF SHEATH:

<input type="checkbox"/> 2	Anthocyanin (seedling):	1 = Absent (Highlight)	2 = Present (Jamestown, Fortress, Marga)
<input type="checkbox"/> 1	Auricle Hairiness:	1 = Absent	2 = Present
<input type="checkbox"/> 2	Margins:	1 = Open (Highlight)	2 = Closed (Jamestown)

## 10. PANICLE (Mature plant):

<input type="checkbox"/> 3	Shape:	1 = Narrow-tapering	2 = Ovate	3 = Oblong	4 = Other (Specify) _____
<input type="checkbox"/> 2	Type:	1 = Open	2 = Intermediate	3 = Compact	
<input type="checkbox"/> 1	Orientation:	1 = Erect	2 = Nodding		
<input type="checkbox"/> 1	Branch Pubescence:	1 = Glabrous	2 = Pubescent		
<input type="checkbox"/> 1	Anther Color:				
<input type="checkbox"/> 4	Glume Color (At 50% flowering):	1 = Yellowish Green	2 = Green	3 = Bluish Green	4 = Purplish
		5 = Reddish	6 = Other (Specify) _____		
<input type="checkbox"/> 1 <input type="checkbox"/> 1 <input type="checkbox"/> 6	mm Length				
<input type="checkbox"/> 1 <input type="checkbox"/> 3	mm Shorter than Cindy	<input type="checkbox"/>	<input type="checkbox"/>	Comparison Variety	
	Panicle length same as N/A	<input type="checkbox"/>	<input type="checkbox"/>		
	mm Longer than N/A	<input type="checkbox"/>	<input type="checkbox"/>		

## 11. PALEA:

<input type="checkbox"/> 2	Hairs (On keels or margins):	1 = Absent (Banner)	2 = Short (Agram, Scaldis, Olds)
		3 = Long (Rainier, Fortress, Jamestown)	

200200230

## 12. LEMMA (Mature):

<input type="checkbox"/> 3	Hairs:	1 = Absent (Jamestown)	2 = Several	3 = Many (Highlight)
<input type="checkbox"/> 6 <input type="checkbox"/> 4	mm Lemma Length			
<input type="checkbox"/> 0 <input type="checkbox"/> 8	mm Shorter than	Flyer	<input type="checkbox"/> <input type="checkbox"/>	Comparison Variety
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Lemma length same as	Cindy	<input type="checkbox"/> <input type="checkbox"/>	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	mm Longer than	N/A	<input type="checkbox"/> <input type="checkbox"/>	
<input type="checkbox"/> 1 <input type="checkbox"/> 1 <input type="checkbox"/> 3	mm Lemma Width			Comparison Variety
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	mm Narrower than	N/A	<input type="checkbox"/> <input type="checkbox"/>	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Lemma width same as	Navigator	<input type="checkbox"/> <input type="checkbox"/>	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	mm Wider than	N/A	<input type="checkbox"/> <input type="checkbox"/>	
<input type="checkbox"/> 2	Awns:	1 = Absent	2 = Present	
<input type="checkbox"/> 1 <input type="checkbox"/> 8	mm Awn Length			Comparison Variety
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	mm Shorter than	N/A	<input type="checkbox"/> <input type="checkbox"/>	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Awn length same as	Cindy	<input type="checkbox"/> <input type="checkbox"/>	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	mm Longer than	N/A	<input type="checkbox"/> <input type="checkbox"/>	

## 13. SEED (With lemma &amp; palea):

<input type="checkbox"/> 4	Size Class (g/1000 seed):		
<input type="checkbox"/> 1 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 0	1 = < .9g (Biljart, Dawson)	2 = .9 - < 1.1g (Jamestown, Highlight)	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	3 = 1.1 - 1.3g (Fortress, Novorubra)	4 = > 1.3g (Boreal, Golfrood)	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	mg per 1000 seed		
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	mg per 1000 seed less than	N/A	<input type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Seed Weight same as		<input type="checkbox"/> 3 <input type="checkbox"/> 4
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	mg per 1000 more than	N/A	<input type="checkbox"/> <input type="checkbox"/>

## 14. DISEASE, INSECT, AND NEMATODE REACTION (0 = Not Tested, 1 = Susceptible, 2 = Resistant):

<input type="checkbox"/> 0	Melting-out <i>Drechslera poae</i> ( <i>Helminthosporium vagans</i> )	<input type="checkbox"/> C	Stripe rust <i>P. striiformis</i>
<input type="checkbox"/> 0	Leaf spot <i>D. siccas</i>	<input type="checkbox"/> 0	Leaf rust <i>P. poae-nemoralis</i>
<input type="checkbox"/> 0	Net blotch <i>D. dictyoides</i>	<input type="checkbox"/> 0	<i>P. crandallii</i>
<input type="checkbox"/> 0	Leaf spot <i>Bipolaris sorokiniana</i>	<input type="checkbox"/> 2	Pythium Blight <i>Pythium ultimum</i>
<input type="checkbox"/> 2	Brown patch <i>Rhizoctonia solani</i>	<input type="checkbox"/> 2	Red thread <i>Corticium fusciforme</i>
<input type="checkbox"/> 2	Powdery mildew <i>Erysiphe graminis</i>	<input type="checkbox"/> 0	Dollar spot <i>Sclerotinia homoeocarpa</i>
<input type="checkbox"/> 0	Stripe smut <i>Ustilago striiformis</i>	<input type="checkbox"/>	Insect _____
<input type="checkbox"/> 0	F. Patch, Pink snow-mold <i>Fusarium nivale</i>	<input type="checkbox"/>	Nematode _____
<input type="checkbox"/> 0	Fusarium blight <i>F. tricinctum</i> , <i>F. roseum</i>	<input type="checkbox"/>	Other _____
<input type="checkbox"/> 0	Gray snow mold <i>Typhula lotana</i>	<input type="checkbox"/>	Other _____
<input type="checkbox"/> 0	Stem rust <i>Puccinia graminis</i>	<input type="checkbox"/>	Other _____



100200230

15. GIVE VARIETY OR VARIETIES THAT MOST CLOSELY RESEMBLE THE APPLICATION VARIETY. For the following characteristics indicate Degree of Resemblance by placing the column marked, D.R., one of the following numbers:

1 = Application variety is less than comparison variety. 2 = Same As  
3 = More than, better, greater, darker, more disease resistant, etc.

CHARACTER	VARIETY	D.R.	CHARACTER	VARIETY	D.R.
Rhizome Length			Growth Habit	Cindy	2
Leaf Width	Cindy	2	Leaf Color	Cindy	3
Panicle Color			Panicle Shape	Cindy	2
Winter Color			Cold Injury		
Shade Tolerance			Heat		
Drought			Disease*		

\* Specify each disease evaluated.

16. ADDITIONAL DESCRIPTION: (Use additional sheets as required)

Describe all characteristics that cannot be adequately described in the form above in Exhibit D. Comparative varieties should be used as may be appropriate, such as for disease. Append all comparative trial and evaluation data, including measured characters, environmental, and disease tests.

200200230

EXHIBIT D

Table 1.  
Heading dates of strong creeping red fescues  
grown near Harrisburg, Oregon

Variety	Heading Date		
	2000	2001	Average
Shademaster	April 25	April 27	April 26
Boreal	April 25	April 26	April 26
<b>Cindy Lou</b>	<b>April 27</b>	<b>April 30</b>	<b>April 29</b>
Ensylva	April 29	April 30	April 30
Navigator	April 28	May 2	April 30
Cindy	May 1	May 2	May 2

200200230

EXHIBIT D

Table 2.  
Morphological traits of strong creeping red fescue varieties grown near Harrisburg, Oregon

Variety	Plant Height (cm)			Panicle Length (cm)			1st Internode Length (cm)			2nd Internode Length (cm)			Flag Leaf Length (cm)		
	2000	2001	Average	2000	2001	Average	2000	2001	Average	2000	2001	Average	2000	2001	Average
Flyer	91.13	91.93	91.53	15.50	14.98	15.24	42.06	46.29	44.18	18.79	15.02	16.91	10.80	13.08	11.94
Boreal	83.72	88.85	86.29	15.97	15.28	15.63	38.77	44.71	41.74	17.01	16.00	16.50	11.73	14.35	13.04
Shademaster	83.17	83.07	83.12	15.20	14.69	14.95	37.89	43.91	40.90	17.25	15.53	16.39	11.87	11.93	11.90
Navigator	77.98	81.12	79.55	15.39	15.91	15.65	33.29	40.35	36.82	16.27	13.25	14.76	13.68	13.79	13.74
Ensyiva	78.37	80.66	79.51	13.98	15.93	14.96	37.63	42.43	40.03	16.06	13.29	14.68	9.38	10.61	10.00
Cindy	74.97	78.82	76.89	13.74	14.53	14.14	35.26	37.20	36.23	17.30	12.79	15.05	9.21	10.78	10.00
Cindy Lou	73.22	75.24	74.23	11.58	11.53	11.56	36.41	39.59	38.00	13.66	11.65	12.66	8.64	10.92	9.78
LSD	6.73	10.21		1.65	1.81		8.15	8.31		3.50	3.31		3.20	2.32	

## EXHIBIT D

Table 3.  
Additional Morphological trait of strong creeping red fescue varieties grown near Harrisburg, Oregon

Variety	Flag Leaf Width (mm)			Tiller Leaf Length (cm)			Tiller Leaf Width (mm)			Veg. Leaf Length (cm)		
	2000	2001	Average	2000	2001	Average	2000	2001	Average	2000	2001	Average
Flyer	2.68	2.04	2.36	11.48	12.62	12.05	2.88	1.80	2.34	32.18	25.10	28.64
Boreal	3.43	2.27	2.85	11.24	13.68	12.46	2.97	2.06	2.51	34.17	27.00	30.59
Shademaster	2.82	2.17	2.50	12.58	12.13	12.36	2.32	1.99	2.15	33.10	25.40	29.25
Navigator	2.97	2.31	2.64	13.96	14.76	14.36	2.82	2.13	2.48	38.16	34.03	36.59
Ensylvia	2.45	1.74	2.09	9.03	11.41	10.22	2.33	1.68	2.00	31.21	24.81	28.01
Cindy	2.43	2.23	2.33	8.75	11.48	10.12	2.60	1.96	2.28	28.04	22.92	25.48
Cindy Lou	2.12	2.32	2.22	9.54	11.11	10.33	2.14	2.06	2.10	29.42	27.03	28.22
LSD	0.69	0.51		2.04	2.01		0.64	0.53		5.65	5.86	

200200230

EXHIBIT D

Table 4.

Seed characteristics of strong creeping red fescue varieties grown near Harrisburg, Oregon

Variety	10 Seed Length (mm)			10 Seed Width (mm)			Awn Length (mm)			1000 seed wt (g)		
	2000	2001	Average	2000	2001	Average	2000	2001	Average	2000	2001	Average
Boreal	70.70	75.33	73.02	12.00	10.67	11.33	2.17	2.19	2.18	1.71	1.30	1.51
Flyer	68.00	74.33	71.17	12.67	10.67	11.67	2.57	2.03	2.30	1.83	1.34	1.58
Ensilva	68.67	69.33	69.00	11.00	11.00	11.00	2.71	1.99	2.30	1.68	1.25	1.47
Cindy	64.67	71.67	68.17	11.67	10.67	11.17	2.16	1.74	1.95	1.68	1.06	1.37
Shademaster	65.00	69.67	67.33	11.67	10.33	11.00	2.31	1.68	2.00	1.81	1.20	1.51
Navigator	64.67	69.00	66.84	11.67	11.00	11.34	2.63	1.63	2.13	1.69	1.14	1.42
Cindy Lou	61.00	67.00	64.00	11.67	11.00	11.34	2.29	1.39	1.84	1.61	1.29	1.45
LSD @ 0.05	5.82	5.59		NS	NS		NS	0.43		0.18	0.20	

REPRODUCE LOCALLY Include form number and edition date on all reproductions.

FORM APPROVED - OMB No. 0581-0055

U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). The information is held confidential until the certificate is issued (7 U.S.C. 2426).

**EXHIBIT E  
STATEMENT OF THE BASIS OF OWNERSHIP**

1. NAME OF APPLICANT(S) <i>708 DLF</i> <i>3/30/05</i> <i>Cebeco International Seeds, Inc.</i> <i>and Rutgers, The State University of New Jersey (8/18/2005)</i>		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER CIS-FRR 7	3. VARIETY NAME Cindy Lou
4. ADDRESS (Street and no., or R.F.D. No., City, State, and ZIP and Country) PO Box 229/175 West 'H' Street Halsey, OR 97348 USA		5. TELEPHONE (include area code) 541-369-2251	6. FAX (include area code) <del>541-369-2640</del> <i>729-4084 (8/18/2005)</i>
		7. PVPO NUMBER <i>2002 00230</i>	

8. Does the applicant own all rights to the variety? Mark an "X" in the appropriate block. If no, please explain ☒ YES ☐ NO

9. Is the applicant (individual or company) a U.S. National or a U.S. based company? If no, give name of country ☒ YES ☐ NO

10. Is the applicant the original owner? ☒ YES ☐ NO If no, please answer one of the following:

a. If the original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. National(s)?

☐ YES ☐ NO If no, give name of country

b. If the original rights to variety were owned by a company(ies), is (are) the original owner(s) a U.S. based company?

☐ YES ☐ NO If no, give name of country

11. Additional explanation on ownership (if needed, use the reverse for extra space):

*DLF*  
Cindy Lou was developed by *Cebeco* International Seeds using germplasm obtained from the New Jersey Agricultural Experiment Station. *(8/18/2005)*

**PLEASE NOTE:**

Plant variety protection can only be afforded to the owners (not licensees) who meet the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed the final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definitions.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 6 minutes per response, including the time for reviewing the instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs on the basis of race, color, national origin, sex, religion, age, disability, political beliefs, sexual orientation, or marital or family status. (Not all prohibited bases apply to all programs). Persons with disabilities who require alternative means for communication of program information (braille, large print, audiotape, etc.) should contact the USDA's TARGET Center at 202-720-2600 (voice and TDD). To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Written Building, 14<sup>th</sup> and Independence Avenue, SW, Washington, D.C. 20250-9410 or call (202) 720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.